

[0019] Figures 2A, 2B, and 2C are perspective views of a round shaped cutting insert compatible with the tool holder of Figure 1, wherein the insert has eight recesses for indexing the insert in the tool holder;

[0020] Figure 3 is enlarged view of one pocket of the tool holder of Figure 1;

[0021] Figures 4A, 4B, ~~4C~~, 4C, 4D, 4E, 4F, 4G and 4H are perspective and cross-sectional views of different embodiments of antirotation stops of the present invention;

[0022] Figure 5 is a cross-sectional view of a insert secured in an embodiment of the tool holder;

[0023] Figures 6A and 6B are plan views of an embodiment of the tool holder showing an embodiment of the tangential manufacturing method used to produce the pocket.

SUMMARY OF THE INVENTION

[0024] The present invention relates to embodiments of a cutting tool holder having at least one insert pocket, wherein at least one insert pocket comprises a side surface and at least one antirotation stop protruding from the side surface. The antirotation stop may comprise at least two substantially planar surfaces. In certain embodiments, the cutting tool holder may have a pocket which comprises a bottom surface and an antirotation stop having three substantially planar surfaces that are substantially perpendicular to the bottom surface.